

Springdale Fire Department

Policy & Procedures Manual

Volume 5 – General

Section 501 – Miscellaneous

501.5 – Oxygen & Acetylene Cylinder Management

All personnel (especially Station Officers) shall be familiar with and adhere to the following procedure concerning management of oxygen cylinders. All oxygen cylinders are to be checked for adequate oxygen supply at the beginning of each shift, and after usage.

Minimum Cylinder Pressures

Ambulance on-board oxygen cylinder minimum pressure level is 500 psi. Replace the cylinder from the appropriate station cache of full oxygen cylinders.

Fire apparatus medical kit oxygen cylinder minimum pressure level is 500 psi.

Portable Cylinders

Squads will maintain an inventory of three “D” size oxygen cylinders. Cylinders should be used until empty or near empty. Squad crews should ensure at least one cylinder is full or near full.

An inventory of full “D” size oxygen cylinders will be maintained at Station 1.

Storage of Cylinders

All spare oxygen cylinders shall be secured against tipping and stored with valve caps in place.

Oxygen & Acetylene Cylinder Allotments

Station Officers are responsible for maintaining oxygen cylinders for their assigned station in accordance with the following allotments.

The following is the contracted cylinder allotment for each station:

- Station 1:** Eight (8), USP 100+ cylinders (ambulance on-board cylinders) including two on the squads.
Two (2), small acetylene cylinders (T1 cutting torch) including one (1) spare.
Two (2), small oxygen cylinders (T1 cutting torch) including one (1) spare.
- Station 4:** Three (3), USP 100+ cylinders (ambulance on-board cylinders) including one on the squad.
- Station 5:** Four (4), USP 100+ cylinders (ambulance on-board cylinders) including one on the squad.
- Station 6:** Five (5), USP 100+ cylinders (ambulance on-board cylinders) including one on the squad.

Ordering Cylinders

Contact Air Gas at 756-9424 to place orders. Provide the following information:

- Name of person placing order

- Number and size of cylinders
- Station number and address to be delivered to

In order to prevent “double” ordering of oxygen, Station Officers should ensure that relieving officers are aware of current oxygen order statuses.

To avoid added delivery cost, only order oxygen cylinders when one spare cylinder remains. Do not exceed the station allotments stated above as the department’s contract with the supplier calls for increased fees if the department inventory exceeds the allotment.